Seth Langbauer

Period 7th - Robotics

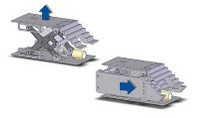
**Bari Bari: A Rescue Robot**

Bari Bari is a new rescue robot developed in Japan. Since Japan is prone to extreme earthquakes, they have developed a robot to cope with the aftermath of an earthquake in a safer manner. This robot is extremely useful for rescuers and those being rescued. Developed at the Tokyo Institute of Technology, the Bari Bari is used to help people who are buried under debris without hurting them. Uncovering people who are buried is particularly dangerous, and this robot will minimize that danger.

What is a recue robot? A rescue robot is ideally small, versatile, and able to detect victims under debris caused by various disasters. They can detect victims among debris by using different sensors. The Bari Bari can not only detect a victim but lift debris and help in the rescue of that victim. Multiple rescue robots may be used in the same disaster or situation to work as a team.

To carry out its tasks, Bari Bari has many sensors, replicating a human rescuer. These sensors can be used to help in a rescue situation. Bari Bari has cameras so a rescuer controlling Bari Bari from a safe location can see a possible victim in need of help under debris of a collapsed building, speakers so that rescuer can talk to a victim and microphones so the victim can speak to the rescuer.

How the Bari Bari lifts debris up is fairly simple. It has a rising platform that is multi layered. So as it raises, one of the platforms will hook onto the debris and lift the debris. Multiple Bari Baris can be used at once to lift heavier objects off a victim or to clear an area.

 🡨 Rising platform

 🡨 Multiply platform layers

[http://robotzeitgeist.com/tag/bari-bari-ii](file:///C:\Users\slangbauer\AppData\Local\Temp\fcctemp\http)

<http://techcrunch.com/2009/12/18/bari-bari-new-exploration-and-rescue-robot-video/>